

ABSTRACT

The present disclosure concerns apparatus and methods useful in estimating crop yields of plants that are supported on a trellis. According to one aspect, a method for measuring the mass of trellised plant structures includes measuring the tension of a support wire of the trellis structure on which the plant structures are supported, such as with a load cell placed in-line with the support wire. The tension of the support wire is converted into the mass of new plant growth supported on the support wire, using, for example, an empirically derived algorithm specific to the trellis structure.